

ABSTRACT:

The invention relates to a circuit arrangement for controlling a display device (2) which can be operated in a partial mode, comprising a row drive circuit (4) for driving n rows of the display device (2) and a column drive circuit (3) for driving m columns of the display device, wherein the row drive circuit (4) controls the n rows of the display device sequentially from 1 to n, and the column drive circuit (3) supplies column voltages to the m columns, which voltages correspond to the picture data to be displayed of pixels of the controlled row. The invention further relates to a display device with such a circuit arrangement, a row drive circuit for a display device, an electronic appliance with a display device, and a method of realizing a partial mode. To keep the construction for realizing a partial mode simple, it is suggested that a logic function is connected in front of at least one output of the row drive circuit (4), to which function a first control signal (R_E) is supplied which achieves a deactivation of all row outputs (Z_1 to Z_n) of the row drive circuit (4) in the case of a row (Z_3, Z_4) that is not to be displayed, and an activation of all row outputs (Z_1 to Z_n) in the case of a row (Z_1, Z_2, Z_5) that is to be displayed. This renders it possible to realize a partial mode through the supply of only a single control signal (R_E) to the row drive circuit without the second control signal (R_P) necessary for controlling the rows having to be deactivated for the rows not to be displayed in the partial mode in the process of controlling the consecutive rows in the row drive circuit.

20 Fig. 2